



Sheet 1 of 1

APPLICATION NO.

|               |  |  |  |                      |                |  |
|---------------|--|--|--|----------------------|----------------|--|
| FORM PTO-1449 |  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |  | ATTORNEY DOCKET NO.  |                |  |
|               |  |  |  | 1293.1916            | 10/662,812     |  |
|               |  |  |  | FIRST NAMED INVENTOR |                |  |
|               |  |  |  | Yang-jim CHOI        |                |  |
|               |  |  |  | FILING DATE          | GROUP ART UNIT |  |
|               |  |  |  | September 16, 2003   | 2431           |  |

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL |    | DOCUMENT NO.    | DATE     | NAME             | CLASS | SUB-CLASS | FILING DATE |
|-------------------|----|-----------------|----------|------------------|-------|-----------|-------------|
| /T.D./            | AA | 2004/0054779 A1 | 03/18/04 | Takeshima et al. |       |           |             |
| /T.D./            | AB | 2003/0126432 A1 | 07/03/03 | Tonisson         |       |           |             |
| /T.D./            | AC | 2009/0074183 A1 | 03/19/09 | ASADU            |       |           |             |
| /T.D./            | AD | 2007/0277245 A1 | 11/29/07 | Goto et al.      |       |           |             |

## FOREIGN PATENT DOCUMENTS

|        |    | DOCUMENT NO.  | DATE     | COUNTRY          | TRANSLATION<br>YES | NO | ABSTRACT |
|--------|----|---------------|----------|------------------|--------------------|----|----------|
| /T.D./ | AE | 2003-248737   | 09/05/03 | JAPAN            |                    |    | X        |
| /T.D./ | AF | 2003-234737   | 08/22/03 | JAPAN            |                    |    | X        |
| /T.D./ | AG | 2002-057662   | 02/22/02 | JAPAN            |                    |    | X        |
| /T.D./ | AH | 2003-051816   | 02/21/03 | JAPAN            |                    |    | X        |
| /T.D./ | AI | 2002-063147   | 02/28/02 | JAPAN            |                    |    | X        |
| /T.D./ | AJ | 2005-085089   | 10/13/05 | JAPAN            |                    |    | X        |
| /T.D./ | AK | 2004-102951   | 04/02/04 | JAPAN            |                    |    | X        |
| /T.D./ | AL | 2004-072184   | 03/04/04 | JAPAN            |                    |    | X        |
| /T.D./ | AM | WO02/23903 A1 | 03/21/02 | PTC (in English) |                    |    |          |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

TRANSLATION  
YES NO

|  |    |  |  |  |
|--|----|--|--|--|
|  | AN |  |  |  |
|--|----|--|--|--|

|              |                 |
|--------------|-----------------|
| EXAMINER     | DATE CONSIDERED |
| /Trang Doan/ | 07/30/2011      |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



ATTACHMENT 1(g)

|   |                      |                |
|---|----------------------|----------------|
| <b>LIST OF ADDITIONAL SUBMITTED DOCUMENTS</b> | ATTORNEY DOCKET NO.  | APPLICATION NO |
|   | 1293,1916            | 10/662,812     |
|   | FIRST NAMED INVENTOR |                |
|   | Yang-jim CHOI        |                |
|   | FILING DATE          | GROUP ART UNIT |
|   | September 16, 2003   | 2431           |

The following document(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.

It is requested that the Examiner acknowledge his consideration of document(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

**This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.**

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIAL |    | DOCUMENT NO. | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|-------------------|----|--------------|------|------|-------|-----------|-------------|
|                   | BA |              |      |      |       |           |             |
|                   | BB |              |      |      |       |           |             |

**FOREIGN PATENT DOCUMENTS**

|  |    | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION YES NO |
|--|----|--------------|------|---------|-------|-----------|--------------------|
|  | BC |              |      |         |       |           |                    |
|  | BD |              |      |         |       |           |                    |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

| TRANSLATION YES NO |
|--------------------|
|--------------------|

|        |    |  |   |  |
|--------|----|--|---|--|
| /T.D./ | BE | Japanese Office Action for corresponding Japanese Patent Application No.2007-284414 dated November 16, 2010, 5 pgs | X |  |
|--------|----|--|---|--|

|                          |                               |
|--------------------------|-------------------------------|
| EXAMINER<br>/Trang Doan/ | DATE CONSIDERED<br>07/30/2011 |
|--------------------------|-------------------------------|

**\*EXAMINER:** Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.